

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### PRODUCTION OF SYRINGYL LIGNIN IN GYMNOSPERMS

the specification of which is attached hereto unless the following box is checked:

☒ was filed on December 16, 1997, as United States Application No. 08/991,677 or PCT International Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	[ ]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	[ ]

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application listed below.

<u>60/033,381</u> (Application Number)	<u>December 16, 1996</u> (Filing Date)
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

_____ (Application Number)	_____ (Filing Date)	_____ (Status--patented, pending, abandoned)
_____ (Application Number)	_____ (Filing Date)	_____ (Status--patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Mark S. Graham, Reg. No. 32,355  
 Andrew S. Neely, Reg. No. 28,979  
 W. Allen Marcontell, Reg. No. 22,925  
 Robert O. Fox, Reg. No. 34,165  
 David E. LaRose, Reg. No. 34,369

Michael J. Doyle, Reg. No. 29,635  
 Christopher Nicastri, Reg. No. 32,161  
 Michael E. Sellers, Reg. No. 39,831  
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Address all correspondence to: Customer No. 000408.

MARK S. GRAHAM, ESQ.  
LUEDEKA, NEELY & GRAHAM, P.C.  
P. O. Box 1871  
Knoxville, TN 37901.

I hereby authorize the attorney(s) or agent(s) named herein to accept and follow instructions from International Paper Company as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the attorney(s) or agent(s) and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney(s) or agent(s) named herein will be so notified by me.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Vincent L. Chiang

Inventor's signature

Vincent L. Chiang

Date

2-19-98

Residence: 1104 Birch Street, Hancock, Michigan 49930

Citizenship: United States of America

Post Office Address:

1104 Birch Street  
Hancock, Michigan 49930

Full name of second joint inventor (given name, family name): Daniel T. Carraway

Second Inventor's signature

Daniel T. Carraway

Date

2-9-98

Residence: 1910 Rich Street, Bainbridge, Georgia 31717

Citizenship: United States of America

Post Office Address:

1910 Rich Street  
Bainbridge, Georgia 31717

Full name of third joint inventor (given name, family name): Richard H. Smeltzer

Third Inventor's signature

Richard H. Smeltzer

Date

February 9, 1998

Residence: 5036 Valley Farm Road, Tallahassee, Florida 32303

Citizenship: United States of America

Post Office Address:

5036 Valley Farm Road  
Tallahassee, Florida 32303



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 28, 1999

PTAS

LUEDEKA, NEELY & GRAHAM, P.C.  
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KNOXVILLE, TN 37901



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UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/26/1999

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHIANG, VINCENT L.

DOC DATE: 02/19/1998

ASSIGNOR:

CARRAWAY, DANIEL T.

DOC DATE: 02/09/1998

ASSIGNOR:

SMELTZER, RICHARD H.

DOC DATE: 02/13/1998

ASSIGNEE:

INTERNATIONAL PAPER COMPANY  
TWO MANHATTANVILLE ROAD  
PURCHASE, NEW YORK 10577-2196

SERIAL NUMBER: 60033381  
PATENT NUMBER:

FILING DATE: 12/16/1996  
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PATENT NUMBER:

FILING DATE: 12/16/1997  
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TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
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:ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

MRD 1-2689

000900006

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Vincent L. Chiang,  
Daniel T. Carraway and  
Richard H. Smeltzer

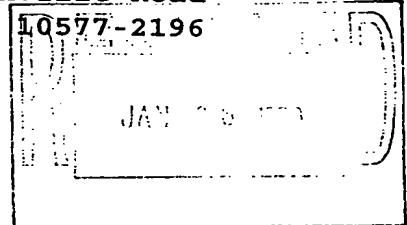
Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No

## 3. Nature of conveyance:

(X) Assignment ( ) Merger  
( ) Change of Name ( ) Other  
( ) Security Agreement

Execution Date: 2/19/98, 2/9/98 &amp; 2/13/98

## 2. Name and address of receiving party(ies):

Name:  
INTERNATIONAL PAPER COMPANYStreet Address:  
Two Manhattanville Road  
Purchase, NY 10577-2196

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

## A. Patent Application No(s).

60/033,381  
08/991,677

## B. Patent No(s).

Additional numbers attached? ( ) Yes (X) No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Mark S. Graham, Esq.  
LUEDEKA, NEELY & GRAHAM, P.C.  
P. O. Box 1871  
Knoxville, TN 37901

## 6. Total number of applications and patents involved:

2

## 7. Total fee (37 CFR 3.41).....\$ 80.00.

(X) Enclosed  
(X) Please charge to deposit account any  
missing or additional fee

## 8. Deposit Account No. 12-2355

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark S. Graham  
Name of Person Signing

  
Signature
January 21, 1999  
Date

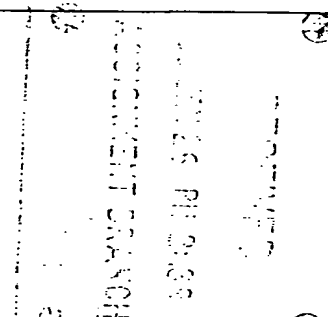
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Date of Deposit: January 21, 1999

01/26/1999 TTON11 00000162 60033381

01 FC:581  
02 CP:58480.00 OP  
120.00 ND

ASSIGNMENT

We, Vincent L. Chiang, a citizen of the United States, having a mailing address of 1104 Birch Street, Hancock, Michigan 49930, Daniel T. Carraway, a citizen of the United States, having a mailing address of 1910 Rich Street, Bainbridge, Georgia 31717, and Richard H. Smeltzer, a citizen of the United States, having a mailing address of 5036 Valley Farm Road, Tallahassee, Florida 32303, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to INTERNATIONAL PAPER COMPANY, a New York corporation, having its principal place of business at Two Manhattanville Road, Purchase, New York 10577-2196, its successors, assigns and legal representatives, the entire right, title and interest throughout the world in and to all subject matter invented by us and disclosed in the applications identified below:

Title: PRODUCTION OF SYRINGYL LIGNIN IN GYMNOSPERMS

Serial No.: 60/033,381

Filing Date: December 16, 1996

Title: PRODUCTION OF SYRINGYL LIGNIN IN GYMNOSPERMS

Serial No. 08/991,677

Filing Date: December 16, 1997

and in and to all Letters Patent and all Convention and treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all papers necessary to secure all said Letters Patent to the above assignee in accordance with the Assignment.

2-19-98

Date of Execution of Assignment

2-9-98

Date of Execution of Assignment

2-19-98

Date of Execution of Assignment

Vincent L. Chiang

Vincent L. Chiang

Daniel T. Carraway

Daniel T. Carraway

Richard H. Smeltzer

Richard H. Smeltzer

STATE OF MICHIGAN     )  
                                      )  
COUNTY OF HOUGHTON )

I hereby certify that before me appeared Vincent L. Chiang, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: Feb 19, 1998

Cindee M. Molnar

Notary Public

My Commission Expires:

February 24, 2002

\* \* \* \* \*

CINDEE M. MOLNAR  
NOTARY PUBLIC - HOUGHTON COUNTY, MI  
MY COMMISSION EXP. 02/24/2002

STATE OF GEORGIA     )  
                                      )  
COUNTY OF DECATUR )

I hereby certify that before me appeared Daniel T. Carraway, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: 2/9/98

Wayne M. Stanley

Notary Public

My Commission Expires:

MY COMMISSION EXPIRES FEB. 25, 2001

\* \* \* \* \*

STATE OF FLORIDA     )  
                                      )  
COUNTY OF LEON     )

I hereby certify that before me appeared Richard H. Smeltzer, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: 2-18-98

Michelle P. [Signature]

Notary Public

Produced Pursuant to E.O. 12812-40-294

My Commission Expires: